CLAIMS

1. An organic electroluminescent device adapted for assembly function, comprising:

a substrate;

at least one first electrode formed on the surface of said substrate, wherein a part of surface of said first layer comprises at least one light-emitting layer and a second electrode in turn;

at least one isolating seal cap formed at the surface of said substrate for covering and protecting said light-emitting layer, wherein one side of said isolating seal cap comprises at least one first channel; and

at least one first connecting line allowed for passing through said first channel and contacting a part of surface of said first electrode.

2. The organic electroluminescent device according to Claim 1, wherein a sealing glue with isolation function is formed between the top surface of said first channel and said first connecting line.

3. The organic electroluminescent device according to Claim 1, wherein said first electrode is covered inside said isolation seal cap completely.

4. The organic electroluminescent device according to Claim 1, wherein at least one seal pad is formed at the bottom side of said isolation seal cap, such that said isolation seal cap may be erected on a part surface of said substrate, and served for covering as well as protecting said light-emitting layer.

5. The organic electroluminescent device according to Claim 1, further comprising:

at least one second channel formed on another side of said isolating seal cap; and

at least one second connecting line allowed for passing through said second channel and contacting a part of surface of said second electrode, wherein a sealing glue with isolation function is formed between the top surface of said second channel and said second connecting line.

6. The organic electroluminescent device according to Claim 5, wherein said first connecting line and said second connecting line are connected to corresponding controllers, respectively.

7. The organic electroluminescent device according to Claim 1, wherein a width of a part of surface of said substrate not covered by a vertical-extending position of said isolation seal cap is not greater than 1.0mm.

8. The organic electroluminescent device according to Claim 1, wherein at least one moisture-absorbing layer is formed on an internal wall of said isolating seal cap.

9. The organic electroluminescent device according to Claim 1, further comprising a second isolation seal cap formed and fastened at the top surface of said isolation seal cap, having a third channel at one side thereof, such that said first connecting line is

allowed for passing through said third channel and said first channel of said isolation seal cap to contact a part of surface of said first electrode, wherein an internal wall of said second isolating seal cap comprises at least one moisture-absorbing layer.

10. The organic electroluminescent device according to Claim 9, wherein at least one through-vent chiseled on said isolation seal cap is provided for passing through by substances.

11. The organic electroluminescent device according to Claim 9, wherein a third sealing glue with isolation function is formed between the top surface of said third channel and said first connecting line.

12. The organic electroluminescent device according to Claim 9, wherein at least one fourth channel is formed on another side of said second isolation seal cap, such that said second connecting line is allowed for passing through said fourth channel and said second channel of said isolation seal cap to contact a part of surface of said second electrode, wherein a fourth sealing glue with isolation function is formed between the top surface of said fourth channel and said second connecting line.

13. An organic electroluminescent device adapted for assembly function, essentially comprising:

a substrate having at least one first substrate channel by chiseling therethrough;

at least one first electrode formed on the surface of said substrate, wherein at least one light-emitting layer and a second electrode are formed on a part of surface of said first layer in turn;

at least one isolating seal cap formed on the surface of said substrate for covering and protecting said light-emitting layer; and

at least one first connecting line allowed for passing through said first substrate channel and contacting a part of surface of said first electrode.

14. The organic electroluminescent device according to Claim 13, wherein a first substrate sealing glue with isolation function is formed between the bottom surface of said first substrate channel and said first connecting line.

15. The organic electroluminescent device according to Claim 13, wherein at least one second substrate channel is formed on another side of said substrate, allowed for a second connecting line to pass through and contact with a part surface of said second electrode, wherein a second substrate sealing glue with isolation function is formed between the bottom surface of said second substrate channel and said second connecting line.

16. The organic electroluminescent device according to Claim 13, wherein one end of said first connecting line is fastened on a part surface of said first electrode via a fixing point.

17. The organic electroluminescent device according to Claim 13, wherein at least

one moisture-absorbing layer is formed on an internal wall of said isolating seal cap.

18. An organic electroluminescent device adapted for assembly function, comprising:

a substrate;

at least one first electrode formed on the surface of said substrate, wherein at least one light-emitting layer and a second electrode are formed at a part of surface of said first layer in turn;

at least one isolating seal cap formed at the surface of said substrate for covering and protecting said light-emitting layer, the bottom end of one side of said isolation seal cap formed on a vertical-extending position from one side end of said first electrode, and a conductive channel presented between said bottom end and the side surface of said first electrode; and

at least one surface-mounted line allowed for filling said conductive channel and contacting with the side end of said first electrode.

19. The organic electroluminescent device according to Claim 18, wherein said surface-mounted line is also formed at the side of said isolation seal cap.

20. The organic electroluminescent device according to Claim 18, further comprising:

the bottom end of another side of said isolation seal cap formed on a vertical-extending position from one side end of said second electrode, and a conductive channel presented between said bottom end and the side surface of said second electrode; and

at least one surface-mounted line allowed for filling said conductive channel and contacting with the side end of said second electrode.

21. The organic electroluminescent device according to Claim 18, wherein a width of a part of surface of said substrate not covered by a vertical-extending position of said isolation seal cap is not greater than 1.0mm.